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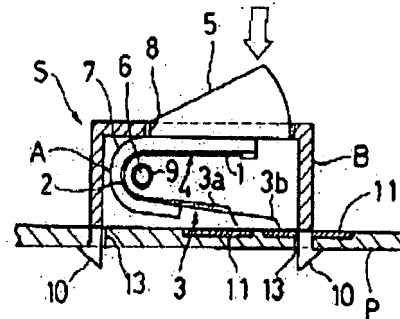
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(54) Push Switch for Printed Circuit Board

(57) [Abstract] (amended)

[Purpose] To provide a push switch for a printed circuit board capable of opening/closing electrical circuits to and from each other, by constituting the push switch in such a way that an extremely small switch body housing a contact spring piece is mounted at the intended position on the printed circuit board, as in the case of various types of small electronic parts.

[Constitution] A contact spring piece A comprising a pusher 5, a fulcrum shaft 6, and upper and lower contact pieces 3a and 3b is provided, while providing a case B having a slit 8 on a top plate, shaft holes 9 through right and left side plates, and grip means 10 at a lower end. The contact spring piece A [is housed] within the case B, with its fulcrum shaft 6 engaged with the shaft hole 9 or a recess, and the switch body S is provided by fitting the pusher 5 into the slit 8 and installing it so that its tip projects to the exterior of the top plate. This switch body S is mounted on the circuit 11 of a printed circuit board P via the mounting means 10. Thus, the lower contact piece 3b of the contact spring piece A is pressure-contacted with one circuit 11, and the upper contact piece 3a is positioned above the other circuit 11.



- |     |                       |     |                                  |
|-----|-----------------------|-----|----------------------------------|
| S:  | Switch body           | 4:  | Horizontal U-shaped spring piece |
| P:  | Printed circuit board | 5:  | Pusher                           |
| A:  | Contact spring piece  | 6:  | Fulcrum shaft                    |
| B:  | Case                  | 7:  | Holder                           |
| 1:  | Upper piece           | 8:  | Slit                             |
| 2:  | Recurved part         | 9:  | Shaft hole                       |
| 3:  | Lower piece           | 10: | Mounting means                   |
| 3a: | Upper contact piece   | 11: | Circuit                          |
| 3b: | Lower contact piece   | 13: | Installation hole                |